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PA - (ASAH) ASAHI CHEM IND CO LTD
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XIC - C12N-005/00 ; C12N-015/00 ; C12P-021/02 ; C12R-001/91
AB - J63028386 A transforming growth factor beta gene combined to a promoter is introduced in an animal cell to culture the animal cell and the resultant culture growth cell is used.
- USE/ADVANTAGE - The method can prepare the useful substance commercially.
- In an example, Human TGF beta gene was prepd. from human nasopharynx cancer-originated KB cell (ATCC CCL-17). Plasmid pTS neo was prepd. by process in which a terminator of T-antigen gene of SV 40 was connected to neomycin-resistant gene. Plasmid pMGSneo was prepd. by a process in which mouse metallothionein gene promoter was connected to TFG beta. Plasmid pMGRneo was prepd. by a process in which TGF beta gene was connected to the downstream of LTR of RSV. NIH3T3H cell was transformed by DNA of Plasmid pMGSneo and 2 clones were selected (NMTG 1 and NMTG 2). Number of cell after 4 days culture at 37 deg.C were as follows: (Clone, Number of cell/ml): NIH3T3 5.8 x 10 power 6; NMTG1 3.3 x 10 power 7; NMTG2 1.8 x 10 power 7.(0/3)
DRL - 3102-R
IW - CELL CULTURE PROCESS INTRODUCING TRANSFORM GROWTH FACTOR BETA GENE COMBINATION PROMOTE ANIMAL CELL
IKW - CELL CULTURE PROCESS INTRODUCING TRANSFORM GROWTH FACTOR BETA GENE COMBINATION PROMOTE ANIMAL CELL
NC - 001
OPD - 1986-07-21
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PAW - (ASAH) ASAHI CHEM IND CO LTD
TI - Cell culture process - involves introduction of transforming growth factor beta gene combining to promoter into animal cell